

Accepted Manuscript

Evaluation of the Reduction in Carbonyl Emissions and Ozone Formation Potential from the Exhaust of a Heavy-duty Diesel Engine by Hydrogen-diesel dual fuel combustion

Syu-Ruei Jhang, Kang-Shin Chen, Sheng-Lun Lin, Yuan-Chung Lin, Kassian T.T. Amesho, Chung-Bang Chen

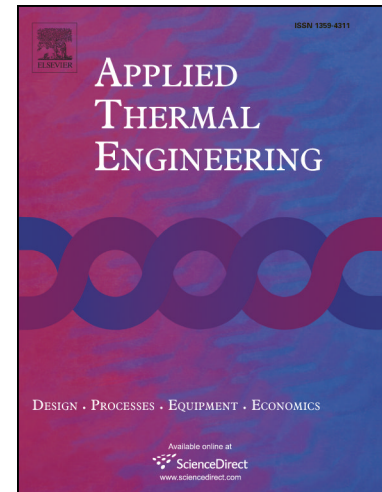
PII: S1359-4311(17)35346-2
DOI: <https://doi.org/10.1016/j.applthermaleng.2017.12.126>
Reference: ATE 11647

To appear in: *Applied Thermal Engineering*

Received Date: 16 August 2017
Revised Date: 6 December 2017
Accepted Date: 29 December 2017

Please cite this article as: S-R. Jhang, K-S. Chen, S-L. Lin, Y-C. Lin, K.T.T. Amesho, C-B. Chen, Evaluation of the Reduction in Carbonyl Emissions and Ozone Formation Potential from the Exhaust of a Heavy-duty Diesel Engine by Hydrogen-diesel dual fuel combustion, *Applied Thermal Engineering* (2017), doi: <https://doi.org/10.1016/j.applthermaleng.2017.12.126>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



**Evaluation of the Reduction in Carbonyl Emissions and Ozone
Formation Potential from the Exhaust of a Heavy-duty Diesel
Engine by Hydrogen-diesel dual fuel combustion**

**Syu-Ruei Jhang¹, Kang-Shin Chen¹, Sheng-Lun Lin^{2,3},
Yuan-Chung Lin^{1,4*}, Kassian T.T. Amesho¹, Chung-Bang Chen⁵**

¹ *Institute of Environmental Engineering, National Sun Yat-Sen University,
Kaohsiung 804, Taiwan*

² *Department of Civil Engineering and Geomatics, Cheng Shiu University,
Kaohsiung 83347, Taiwan*

³ *Super Micro Mass Research and Technology Center, Cheng Shiu University,
Kaohsiung 83347, Taiwan*

⁴ *Ph.D. Program in Toxicology, College of Pharmacy, Kaohsiung Medical University,
Kaohsiung 80708, Taiwan*

⁵ *Fuel Quality and Automobile Emission Research Division, Refining and Manufacturing
Research Institute, CPC Corp., Chia-Yi 600, Taiwan*

Download English Version:

<https://daneshyari.com/en/article/7046092>

Download Persian Version:

<https://daneshyari.com/article/7046092>

[Daneshyari.com](https://daneshyari.com)